

2005 National Priestler Extension Health Conference

Addressing Environmental Risks to Health: A Focus on Children

Liz Blackburn, Coordinator, Community Affairs and Outreach U.S. Environmental Protection Agency (EPA), Office of Children's Health Protection

Children need clean air to breathe, clean water to drink, safe food to eat, and a healthy environment to learn, grow, and thrive. Yet every day children are exposed to environmental risks that may stand in the way of these basic necessities. Many of the health problems related to environmental exposures can be managed, treated, and prevented all together. This presentation will include a discussion about some common environmental hazards to children, EPA activities to reduce these risks, and actions that government, industry, communities, and others can take to reduce environmental threats to children's health.

The University of Kentucky Center for Rural Health

Judy Owens, Director, University of Kentucky Center for Rural Health

Urban-based health/social services programs and colleges/medical schools have never adequately addressed the needs of rural Kentucky. As a result, the region's health has suffered. Its residents have unusually high rates of cancer, diabetes, heart disease, and hypertension, while having the lowest rate of physical activity in the nation. At the same time, rural Kentucky is plagued by limited access to health care due to high poverty and uninsured rates, as well as a shortage of providers. It was to address these issues that the Center for Rural Health was created in 1990 by mandate of the Kentucky General Assembly. The Center uses a combination of academic training courses, health policy research and lay health worker programs to improve the health and overall well-being of rural residents. This PowerPoint presentation is targeted toward health professionals and others interested in integrated approaches to meeting rural health care needs.

The Cost of Caring and the Rural Health Provider

Adrienne Whitt-Woosley, Project Director, Ginny Sprang, Principal Investigator, and Sharon Katz, Trainer, University of Kentucky Bioterrorism and Behavioral Health Project

The presentation highlighted findings from a statewide Trauma Practices Study conducted in the spring of 2004. One study aspect focused on levels of compassion fatigue, compassion satisfaction, and burnout in behavioral health providers across the state. This 45-minute session provided participants with an overview of key findings and implications for addressing compassion fatigue and burnout in physicians and other behavioral health providers, particularly in the aftermath of disasters of mass casualties like a bioterrorist or terrorist event. Special emphasis is given to regional and rural factors that may impact the development of adverse outcomes. Sufficient time was allotted for participant discussion.

AHEC/Extension Collaborations: Successes and Challenges

James C. Norton, Associate Dean for Extramural and Post Graduate Medical Education, University of Kentucky College of Medicine, Carol Phoebus, West KY AHEC, and Charlene McGrath, Southeast KY AHEC

The session began with three short formal presentations, followed by facilitated small group brainstorming sessions and concluded with reports back from the group. The session led to a white paper for dissemination to interested conference participants that describes potential AHEC/ Extension areas of collaboration. Topics for the short presentations include: What the heck is AHEC; A Successful 4-H/AHEC Health Camp; and Diabetes Support Group.

Mold 101: Addressing Mold Education Needs

Sandy Wiggins, Extension Specialist for Environmental Health and Sarah Kirby, Housing Extension Specialist, North Carolina State University, North Carolina Extension

Mold is an issue that affects all areas in the United States. "Mold 101: Addressing Mold Education Needs" is an educational program developed by Extension specialists at North Carolina State University. The program provided Extension and health professionals educational resources and training focusing on current research in health related issues – particularly as it relates to children's health, mold and moisture control, and remediation. The MOLD 101 program includes nine training modules – each addressing an important consideration when dealing with issues of mold and moisture.

Partner with the Cancer Information Service to Impact Health Outcomes

Tami Kelder, Partnership Program Manager for the National Cancer Institute's Cancer Information Service-Mid South Region. (Covering Kentucky, Tennessee, Alabama, Arkansas, Mississippi, and Louisiana) The Mid-South Regional home office is based at the University of Kentucky's Makey Cancer Program.

This session shared with extension agents and interested parties the rich wealth of resources offered through the National Cancer Institute's Cancer Information Service (CIS). The CIS Partnership Program, a nation-wide program, provides cancer information to medically underserved, minority populations, and people with limited access to health information and services. To effectively reach as many people as possible, the Partnership Program collaborates with state and regional organizations that directly serve these audiences. By pooling resources toward common goals, the Mid South CIS, along with their regional cancer control partners, are able to create programs with wider reach and greater impact toward reducing the cancer health disparity.

Extension Educators' Participation in University Outreach Collaborative Prevention Research Projects

Claudia Mincemoyer, Assistant Professor and Tena St. Pierre, Associate Professor, Department of Agricultural and Extension Education, The Pennsylvania State University

This presentation described a study that examined the perceptions of extension educators and county extension directors (CEDs) regarding their participation in a collaborative outreach program designed to prevent youth drug and alcohol use. They discussed the differences between those educators and CEDs, who were asked to participate in the prevention program and declined, and those who accepted and conducted the prevention program in their communities. Program characteristics, community characteristics, and characteristics of the educators were identified from those who participated and those who did not. Perceived benefits of Cooperative Extension's involvement in outreach prevention programs were also discussed.

New Medicare Prescription Drug Coverage

Darlene Pfeffer, Health Insurance Specialist, Centers for Medicare and Medicaid Services

Starting January 1, 2006, prescription drug coverage was available to all people with Medicare. Learn more about how seniors and people with disabilities can take advantage of this new coverage. Medicare will have information available about the new Medicare prescription drug coverage, extra help for people with limited income and assets, prescription drug plans, retiree options, and how to choose and join a plan that meets individual needs.

Extension Disaster Education Network

Steve Cain, Disaster Communication Specialist, Purdue University, Extension Disaster Education Network (EDEN); Abigail Booron, EDEN Communication Network

The Extension Disaster Education Network (EDEN) is a nationwide network that currently incorporates 48 member states and two U.S. territories. EDEN's mission is to share educational

resources throughout the Extension system to reduce the impact of natural and man-made disasters. The presentation covered current educational programs, survey information, and available EDEN materials. Because EDEN covers a diverse range of disasters, the presentation included an overview of materials available, reaching a wide range of audiences, from young to old and from consumer to farmer. Using PowerPoint and providing sample handouts, participants will walk away with specific ideas and materials they can use.

Become Sun Safe: How and Why?

Marjorie (Marge) Wolford, Extension Educator, Family and Consumer Sciences, Ohio State University Extension

Ohio State University Extension has promoted healthy sun safety practices to 2,550 community individuals in Pickaway County, to increase awareness of skin cancer risk. Classroom lecture and demonstrations for youth and adult audiences and health fair screenings using specialized equipment showed sun damage on the skin. The session is open to all educators and other professionals from private and public institutions that have an interest in environmental health issues for youth and adults. The program included a power point, related fact sheets, brochures, display of sun safe hats.

You Have the Power to Prevent Diabetes

Marilyn Corbin, Associate Director of Cooperative Extension and State Program Leader for Children, Youth and Families, and Nancy-Ellen Kiernan, Program Evaluator, The Pennsylvania State University Cooperative Extension and Outreach

You Have the Power to Prevent Diabetes is a prevention health program established to convey health messages that help people build upon their culture of self-reliance to develop prevention behavior. The program is a multimedia and public health education initiative that encourages individuals and families to take an active role in decision making about health related issues and lifestyle choices. The design of the preventive health educational program was shared in addition to the evaluation and the results.

Evidence-based Substance Abuse Prevention Programs Through Extension-School Collaborations: How Viable are They?

Tena L. St. Pierre, Associate Professor, and Claudia C. Mincemoyer, Assistant Professor, Department of Agricultural and Extension Education, The Pennsylvania State University

This presentation described the adoption, implementation, and maintenance of an evidence-based substance abuse prevention program delivered through extension and school collaborations. The EXSELS (Extension and Schools Enhancing Life Skills) project was implemented in eight Pennsylvania middle schools. They described the EXSELS research study and report (1) recruitment of extension educators and schools; (2) school personnel views on the advantages of EXSELS; (3) maintenance of the model a year later; and (4) recommendations for enhancing dissemination of evidence-based prevention programs through extension.

Impact of Food Security on the Health of Low-Income Rural Families

Shirley A. Mietlicki, Extension Assistant Professor/Program Director for Communities, Families and Youth, University of Massachusetts Extension, Sheila Mammen, Department of Resource Economics, University of Massachusetts, and Patricia Dyk, Professor, Department of Rural Sociology, University of Kentucky

Health is essential to quality of life. Families who are food insecure are at a greater risk of various health conditions and depression. Data from Rural Families Speak, a 14-state longitudinal study, revealed the association of food security to specific health conditions, such as diabetes and eating disorders, and the mental outlook of rural low-income families. Intervention strategies that will assist these families in becoming more self-reliant through skill building and increased awareness of community resources were emphasized.

Food Security: From the Farm to Plate

Benji Mikel, Professor/Extension Meat Scientist, University of Kentucky College of Agriculture

Food Security is an issue that affects everyone, from producer to consumer. The discussion focused on potential issues and possible solutions necessary to enhance the security of the food supply, specifically animal products.

Put it Outside

Courtney J. Schoessow, Extension Associate, Program Specialist, Health Education, and Carol A. Rice, Program Leader, Professor and Health Specialist, Texas Cooperative Extension, Texas A & M University

Put it Outside, Raising Healthy Children is a low-literacy, bilingual curriculum that reduces children's exposure to secondhand smoke. Program participants learned how to create the Put it Outside, Raising Healthy Children, flip chart for their audiences. Learn how to use the Secondhand Smoke Demonstrator and where to get one. Experience the feeling of an asthma attack. Learn how they can discuss with parents who smoke -- the four steps to a smoke-free home.

Healthy Schools Promotion in New Jersey

Joe Ponessa, Extension Specialist & Professor-Housing, Indoor Environmental & Health, Rutgers Cooperative Extension and Elyse Pivnick, Vice President for Environmental & Community Health ISLES, Inc.

This is a statewide outreach program to promote healthy schools. Top Ten lists of 'things that you can do' for a healthy classroom were developed for teachers, maintenance and custodial personnel, and administrators. Strategies are described for winning the support of administrators; it is hoped that this initiative will lead to and support the utilization of EPA's Indoor Air Quality - Tools for Schools program. This session was of interest to those promoting children's health, particularly in reference to classroom environments. Emphasis was placed on the arguments made to administrators whose support is essential.

Home Safe Kids: an Indoor Air Quality Curriculum

Kendra Moyses, Associate Program Leader, Michigan State University (MSU) Extension

Home Safe Kids was created to teach parents about the dangers of household environmental hazards and the skills to protect their children. The curriculum came as a result of collaboration between MSU Extension, the U. S. Department of Housing and Urban Development and the U.S. Department of Agriculture. The curriculum was pilot tested in four Michigan counties and is currently being expanded to eleven counties to gain more evaluation data. The session target audience included anyone that conducts programming around parents of young children. The session format included background and overview of the curriculum and implementation strategies.

Asthma and Tools for Schools Intervention and Referral Education Program

Sandy Wiggins, Extension Specialist for Environmental Health and Ellen Smoak, Interim Regional Program Coordinator, Western Region, North Carolina A & T State University, North Carolina Cooperative Extension

North Carolina Cooperative Extension's Asthma and Tools for Schools Intervention and Referral Education Program is a pilot project which provided intensive training for school administrators and nurses, teachers, maintenance personnel, other school staff, and child care providers on asthma and allergen triggers found within school and child care settings. Extension's role was in influencing policy to ensure safer school environments and childcare settings. This program has

resulted in the passing of two major bond referendums to remediate existing schools and construct new schools.

Madison County Health Literacy Project

Rita Smart, County Extension Agent for Family & Consumer Sciences, The University of Kentucky and Ruth Davis, Community Health Educated Nursing Supervisor, Madison County Health Department

The Madison County Health Literacy project provides both healthcare providers and consumers with tools to increase effective health communication, thereby increasing positive health outcomes in the arena of chronic and preventable diseases. Nationwide, a growing awareness of health literacy is prompting research and goal setting in an effort to remedy the problem. Health literacy has been defined as “the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions.” This session was designed to increase awareness of the health literacy problem and ways community partners can use available resources to address them.

A Model to Improve Health Literacy in the Rural Elderly

M. Susan Jones, Nursing Associate Professor, Jan Peeler, Social Work Instructor, Marilyn Gardner, Public Health Assistant Professor, and Serena Britt, Health Enhancement for the Rural Elderly (HERE) Project Graduate Assistant, Western Kentucky University

Health Enhancement for the Rural Elderly (HERE) is a 3-year interdisciplinary, service-based, federally funded grant project designed to educate and empower the rural elderly in south central Kentucky in the use of the health care system. Western Kentucky University faculty members and students from the departments of nursing, social work, and public health work together to educate on issues relevant to health and ultimately to raise health literacy. The project members presented information on the program, data to date, as well as lessons learned to health practitioners, students, and educators attending the conference session.

e-Extension: Tapping the Power of the Land Grant System

Dan Cotton, National Director, eXtension, University of Nebraska- Lincoln; Carla G. Craycraft, National Associate Director, eXtension, University of Kentucky, College of Agriculture
Craig H. Wood, National Associate Director, eXtension University of Kentucky, College of Agriculture

We are an on-line nation. eXtension, an exciting new initiative of the State Cooperative Extension Systems nationwide and the USDA Cooperative State Research, Education, and Extension Service, is a customer-centered, Internet-based, virtual evolving education on-line environment that will provide the most current, objective, research-based information from the land-grant university system for anyone, anywhere, anytime, on any Internet-ready device. eXtension will be available 24/7/365 to complement the work of Cooperative Extension staff in more than 3,000 counties in the United States.

Rural Kentucky's Physician Shortage: Strategies for Producing, Recruiting and Retaining Primary Care Providers within a Medically Underserved Area

Baretta Casey, Director, East Kentucky Family Practice and Community Medicine Residency Program

The University of Kentucky Center for Rural Health white paper, “Rural Kentucky's Physician Shortage: Strategies for Producing, Recruiting and Retaining Primary Care Providers within a Medically Underserved Area”, examines the inadequate supply of doctors in outlying regions of the Commonwealth through literature review, data analysis, personal interviews, and other research methods. This information was conveyed in lecture, PowerPoint presentation and

graphics format, and was of interest to health professionals and others affiliated with or interested in the medical field.

Community Immersion Experience: Partnering Medical Students with County Extension Agents

Jennifer Joyce, Predoctoral Director, University of Kentucky College of Medicine, Department of Family Practice

The Community Immersion Experience is a partnership between the College of Medicine, Area Health Education Centers, and Cooperative Extension Service that provide third year medical students an opportunity to explore living, working, and leadership opportunities in a community. Students learn about the community's resources in the following areas through placement with a county Extension agent: education, economy, government, health services, natural resources, and media. Students are encouraged to reflect on how an individual's health can be affected given the strengths and weaknesses of the community.

Determining Economic Impact of Extension Health Programs

Carol A. Rice, Professor and Health Specialist, and Dean McCorkle, Economic Impact Program Specialist, Texas Cooperative Extension

This session focused on the process and calculations used to determine economic impact of two health programs: Walk Across Texas and Do Well, Be Well with Diabetes. The provided samples of the briefs Extension agents use to interpret evaluation results, including economic impact, to community stakeholders and officials at all levels of government. Economic concepts such as net present value will be explained. Agents and administrators may access county and state-level analysis results and produce briefs on-line at any time. Program participants were provided opportunities to perform some of the calculations.

Agroterrorism -- A Model for Engaging Community Preparedness

Jeff Levin, MSPH, University of Texas

Since September 11, 2001, much has been done to protect agriculture from a terrorist attack. A large portion of this effort has been carried out through reorganization of federal agencies. Yet, numerous challenges remain including the flow of critical information among key stakeholders and insufficient technical assistance at the state level in developing response plans and other activities.

This session illustrates one model for engaging the local community in this process. Widespread planning is taking place, but there seems to be limited communication and coordination between and among groups with considerable overlap of authority. Participatory roles and preventive interventions at the community level pose a challenge, but are essential to strategic success of any plan.

Reaching Diverse Audiences with Environmental Health Programs Panel

Native AIR (Asthma Intervention and Reduction)

Michael P. Vogel, Extension Housing and Environmental Health Specialist/FCS Program; Montana State University-Extension Service

Asthma afflicts 6.75 percent of children in the United States. However, research conducted among Native American populations in Montana revealed that 15.5 percent of Native children had a diagnosis of asthma. This study revealed an apparent asthma prevalence rate of more than double the national average and more than six times the rate of a comparable geographic and socioeconomic group. This session reviewed Native American asthma research and focused on five contributing asthma triggers. The session presented the Extension Service outreach

partnership and Native AIR (Asthma Intervention and Reduction) – a program to provide asthma prevention and literacy education to Native youth.

A Programmatic Response to Indoor Air Pollution and Limited Resource Households

Joseph Laquatra, Hazel E. Reed Human Ecology Extension Professor in Family Policy, Cornell University, Department of Design & Environmental Analysis

This program reports on a two-part study of residential indoor air quality in homes occupied by limited resource households. Part One observed high pollutant levels that were significantly and negatively related to household income. Part Two tested an intervention program conducted with an extension educator and peer educators. The target audience of this session includes Extension faculty and educators, health professionals, and policy makers. Session format included a paper presentation that shared research results from the study, a review of the effectiveness of peer education, and a proposal to make peer education in limited resource households more effective.

Social Return on Investment: a Tool for Assessing the Social and Economic Benefits of Community-Based Health Programs

Eric Scorsone, Assistant Professor and State Extension Specialist and Bethany Adams, Program Coordinator II, University of Kentucky

Extension educators and other engaged in community-based health programs represent social entrepreneurs trying to make a change in society. Most community-based health programs focus on evaluating the change in health outcomes. However, many funding agencies and community organizations want to assess the economic impact or contributions of health programs such as improved productivity, reduced absenteeism, and lower health care costs. Similar to the demands of private investors, social investors, such as foundations, government agencies, and individuals, wish to view these economic and health benefits in an aggregate form known as the social return on investment. The workshop focused on providing information on the underlying principles behind social return on investment and then walked through several examples of how it is calculated.

Kansas Teen Leadership for Physically Active Lifestyles: A Community Youth Development Approach

Elaine M. Johannes, Extension Specialist, Community Youth Development, Carol Fink, Extension Specialist, FNP, and C.R. Macchi, Project Manager, NCP, Kansas State University

Kansas is experiencing alarming rates of overweight among the youth population. Research has shown that increasing the level of physical activity is an effective intervention, but the adoption of evidence based practices that promote physically active lifestyles is challenging.

“Kansas Teen Leadership for Physically Active Lifestyles: A Community Youth Development Approach” describes the theoretical foundations and practical application of a multilevel, evidence-based intervention which brings teens and adults together to increase physical activity levels in rural communities. The workshop’s target audience was community-based practitioners who work primarily in rural communities with teens. The session’s format included lecture, resource identification, demonstration, and group discussion.

Agroterrorism - What we need to know

Ann Garvey, MPH, Iowa Homeland Security and Emergency Management; Ed Hall, Kentucky Department of Agriculture, Assistant Director of Animal Health, and Shawn Herron, JD; Kentucky Department of Criminal Justice Training

The specter of agroterrorism interfering with both our food supply and our economy is driving national animal identification programs, immediate traceback projects and first responder networks. This session, facilitated by state leaders in agroterrorism preparedness, addressed important issues affecting livestock and food producers and the communities in which they live.

Developing Continuing Education Programming in Agricultural Rehabilitation for Occupational and Physical Therapists
Proposal Title: Developing Continuing Education Programming in Agricultural Rehabilitation for Occupational and Physical Therapists

Carla Wilhite, AgrAbility Program Specialist, Oklahoma State University, Oklahoma Agr/Ability Project and Mary Beck, Licensed Professional Counselor, Rural Rehabilitation Specialist

The National AgrAbility Project and several state AgrAbility projects are developing continuing education programming for occupational and physical therapists involved in the rehabilitation of farmers experiencing disabling conditions. Using qualitative research methods, the AgrAbility projects have improved their ability to determine the learning needs of the intended program recipients (OT/PT's). This session targeted to professionals in health-related disciplines or others interested in creating community-based programming to build the capacity of the health care workforce in addressing agricultural health and rehabilitation issues. The session shared the formative process of creating the program and incorporated a presentation/discussion/critique format.

Narrative Analysis of Kentucky Fatality Assessment and Control Evaluation (FACE) Tractor Fatality Reports

Terry Bunn, Project Manager, University of Kentucky

The Kentucky Fatality Assessment and Control Evaluation (FACE) program conducts surveillance and performs on-site evaluations of Kentucky worker deaths. Agricultural injuries are a leading cause of work-related deaths and analysis of the contributing factors for an agricultural fatality is necessary to raise awareness in the agricultural community both full-time and part-time farmers. Narrative analysis of tractor fatality case evaluations was presented to emphasize the importance of the development of targeted injury prevention interventions for the Kentucky farmer.

Respiratory Health and Use of Personal Respiratory Protection among Workers in Swine Confinement Buildings

M. Susan Jones, Associate Professor, Nursing, Western Kentucky University

This presentation reported descriptive findings from a cross-sectional study designed to explore the frequency of personal respiratory protection use among 503 workers in swine confinement buildings (SCB), the self-reported respiratory health of these workers, and the avenues by which these workers obtain respiratory health information.

Team Up: Cancer Screening Saves Lives

Vivian Lasley-Bibbs, State Health Specialist, Kentucky State University, Tami Kelder, Mid South CIS Partnership Program Manager, Markey Cancer Program University of Kentucky, and Barbara P. Clarke, University of Tennessee Cooperative Extension

Kentucky is one of seven states participating in a pilot project funded by National Cancer Institute, Center for Disease Control, the U.S. Department of Agriculture, and American Cancer Society. "Team Up Kentucky: Cancer Screening Saves Lives" is a pilot project to increase breast and cervical cancer screening for never or rarely screened women in rural Appalachia. The pilot consists of evidence-based curricula, tailored educational materials, and a tool kit containing flyers, Public Service Announcements, marketing materials, program evaluations, and data tracking tools. The workgroup developed this pilot to serve as a model for working in cancer prevention and control both regionally and nationally. Collaboration and community involvement are important in the success of this project.

Tennessee Shapes Up

Betty Greer, Associate Professor and Nutrition Specialist, Denise Brandon, Associate Professor and Nutrition Specialist, Janie Burney, Associate Professor, Nutrition and Food Safety Specialist, Barbara (Bobbi) Clarke, Professor and Health Specialist, University of Tennessee

Tennessee Shapes Up is an interdisciplinary, educational intervention to prevent obesity. Environmental and psychosocial influences on obesity are included. Self-assessment strategies to cope with a “toxic” environment are stressed. Participants identify nonhunger cues that lead to overeating. The format included presentation with interactive activities and discussion. Information included physical activity, psychosocial factors, dietary practices, and individual goal setting.

Washington-Wilkes: A Model for Developing Community-based Obesity Prevention Collaborations

Teresa B. Kaley, Research Coordinator, University of Georgia

The Washington-Wilkes Community Health Promotion Project is a community-based demonstration of the effects of multiple intervention strategies at the level of the whole population to encourage more healthy behavior to prevent and/or reduce the risk of obesity related chronic diseases. The project targets children aged 4-18 years and adults of all ages. The population is 55 percent Caucasian, 43 percent African American and 2 percent Latino. The session targeted practitioners who wish to engage in community-based participatory interventions to reduce obesity and related diseases. The interactive session combined a discussion on developing community-based projects with audience questions and comments.

Battling the National Methamphetamine Epidemic through Extension Outreach

Michael P. Vogel, Professor, Housing and Environmental Health Specialist, Extension FCS Program Leader, Montana State University Extension Service and Holly E. Hopper, Extension Associate for Health University of Kentucky

Across America Methamphetamines is affecting families, youth and businesses. Meth may be “cooked” in apartments, motel rooms, cars, camper trailers, and campgrounds. Meth is marketed as a diet aid for adolescent girls, an energy supplement for overworked moms and an escape from everyday reality for bored young adults. Under its influence users can be violent and paranoid leading to domestic violence and child abuse. Montana and Kentucky Extension have developed meth research and outreach programs. The presentation provided participants information on funding and partnership opportunities, links and ties to existing extension initiatives and provided meth outreach materials.

Be MedWise TN: A Program Improving the Medication Literacy of Tennesseans

Barbara (Bobbi) P. Clarke, Professor, Extension Health Specialist and Co-Director, UT Center for Community-based Health Initiatives, The University of Tennessee Extension; Eugene Smith, Associate Professor and Associate Director, UT Center for Community-based Health Initiatives, The University of Tennessee College of Pharmacy and Extension

A lack of health literacy about medications is a major contributing factor to poor adherence to medication regimens, medication errors, and adverse reactions to medications. This session describes a program designed to teach adults to use both prescribed and over-the-counter (including herbals and dietary supplements) medications appropriately, safely and effectively. The value of partnering with pharmacists will be shared. Participants will learn why and how to avoid adverse effects of medications and medication errors, to increase compliance to medication regimens, and to use the program information and tools designed to empower their clients to prevent these problems.

De-Mystifying Multiple Health Determinants for Community Health Planning

Kaye Bender, Dean and Professor, University of Mississippi Medical Center School of Nursing;
Beverly Howell, State Program Leader, Family and Consumer Education, Mississippi State
University Extension Service

The Institute of Medicine describes multiple determinants of health to consider in working on health promotion for any community. An ecological approach includes genetic/individual, social, educational, economic, environmental, and policy issues. The approach can be quite confusing when one adds the specific health indicators for a given community. The session provided a framework for a “user-friendly” approach to considering these determinants of health in developing health promotion programs and projects.

Potential Health Risks from Plant-Associated Microorganisms

Paul Vincelli, Extension Professor, University of Kentucky College of Agriculture

Plants and plant products can be contaminated by a variety of microbes capable of causing foodborne illness, as well as by mycotoxins produced by infectious microbes. An overview of these well-recognized risks was presented. In addition, the risk of microbial attack to crop production has long been recognized, with many countries, including the United States, having engaged research and development of anti-crop microbial weapons. Produce and other plant products consumed fresh could also be used as a delivery agent for bioterrorism agents. These less appreciated bioterrorism risks were discussed, as well.

Stories to Live By: Designing and Evaluating Community-based Injury Prevention Partnerships Using Epidemiology and Narrative Psychology

Henry P. Cole, Professor, University of Kentucky, College of Public Health, Southeast Center for Agricultural Health & Injury Prevention

For 20 years Cole and his colleagues have developed and evaluated community-based injury prevention interactive narratives (stories) for coal miners, construction workers, hazardous waste workers, health professionals, farm workers, and others. In each case the target populations are workers engaged in high-risk occupations as determined from injury epidemiology. Individuals interested in the design, implementation, and evaluation of community-based participatory programs that lower occupational (community) injury and illness rates.

Maximizing Brief Encounters: Realizing Measurable Gains

Sharon Johnson, Assistant Professor, Oregon State University Extension Service

The presenter demonstrated how to effectively train mobile meals (Meals on Wheels) volunteers to maximize their brief encounters with homebound older adults through the use of simple, common sense health-related interventions. The focus was on an eight-workshop series that successfully trained volunteers in Oregon to initiate brief, but effective, health-related approaches. The communication framework introduced in the initial workshop: Observe, Listen, Validate, Respond/Report (OLiVeR) has broad application to other volunteer groups, as well as health professionals who may be unfamiliar with aging populations.

Teachers' Attitudes toward Teaching Nutrition and Physical Activity in the Classroom

Francoise A. Knox, Assistant Professor, Ball State University, and Carol A. Frieson, Graduate Assistant, Ball State University

TPAN is a survey developed for elementary school educators by the Montana Health Department. TPAN was designed to assess the attitudes of educators towards nutrition and physical activity and to ascertain their need and desire for assistance in nutrition and physical fitness curriculum development and implementation. The survey was administered in Wells County to gather data to use for Operation Wellness a school and community based wellness program initiative. The large scale program targets the entire community. TPAN data aids the

Operation Wellness program coordinator in the development of educational resources for elementary school teachers.

Discovering the community voice: A missing component of community health need assessments

Laura M. Hall, Research Administrator Coordinator and Carol Ireson, Associate Professor, University of Kentucky, College of Public Health

A community health needs assessment was conducted in eastern Kentucky to identify problems with access, health risks behaviors, and disease burden by collecting specific and measurable health data and prioritized identifiable health needs. Methodology and findings presented was of interest to professionals working with communities to identify health needs and possible solutions. The session revealed the importance of involving community members and soliciting their input in community health assessments. This technique can be replicated in other communities to capture a more thorough health assessment.

Agri/Bioterrorism

Public Health and Agriculture: Hitting the Exacta for a Winning Combination in the Race Against Bioterrorism

Kraig E. Humbaugh, Director, Division of Epidemiology and Health Planning, Kentucky Department of Public Health

Discussion of bioterrorism history, its various possible manifestations, and the challenges associated with detecting and responding to the threat of bioterrorism--from the standpoint of a state public health agency. Examples of recent naturally-occurring incidents given, which served as "pop quizzes" for the preparedness and response system. Connections outlined between the potential effects of intentionally-released biological agents on the public's health, agriculture, and the food supply.

SAFE AND HEALTHY AGRICULTURE: THE NEW CANADIAN COLLABORATIVE STRATEGY

Judith Guernsey, Associate Professor, Dalhousie University and Past Chair, Canadian Agricultural Safety Association

The Canadian Collaborative Strategy for Safe and Healthy Agriculture in Canada, developed by the Canadian Agricultural Safety Association (CASA), is a new national population-based, multifaceted intervention strategy that was developed in consultation with agricultural producers and partnering national and provincial organizations. The intervention targets the Canadian farming community. The session was of interest to agricultural safety specialists and others concerned about safety and health in agriculture and to those wishing to learn about Canadian approaches to injury prevention and population health. The development strategy and key program elements were discussed in detail with opportunities for questions.

The Impact of Asthma and the Potential Role of Agricultural Exposures

Steve Kirkhorn, National Farm Medicine Center

Asthma is recognized as a significant chronic health problem affecting children and adults. The impact of untreated asthma can result in disability, economic loss, and even death. The presentation looked at current issues in asthma, including Healthy People 2010 recommendations. The role of early farm exposure and the development of asthma ("the hygiene hypothesis") were also discussed.

Kentucky Homeplace Defeat Diabetes Screening Test: An Analysis of Rural Kentucky's Challenge to Overcome the Growing Diabetes Epidemic

Elmer T. Whitler, Director of Research, University of Kentucky Center for Rural Health, Michael E. Samuels, Endowed Chair/Distinguished Scholar in Rural Health Policy, Professor of Family

Practice and Community Medicine, University of Kentucky College of Medicine, Fran Feltner, Director of the Kentucky Homeplace Program, Center for Rural Health, University of Kentucky

The University of Kentucky Center for Rural Health original research note, "Kentucky Homeplace Defeat Diabetes Screening Test: An Analysis of Rural Kentucky's Challenge to Overcome the Growing Diabetes Epidemic," provides the results of a yearlong diabetes risk survey that included more than 3,000 participants in rural Kentucky. The information was of interest to health professionals, patient advocates, and others interested in preventive medicine.

Partnering for Health: Kentucky's Innovative Approach

Sharlee M. Shirley, University of Kentucky College of Agriculture Cooperative Extension Service and College of Dentistry

The initial efforts of the Kentucky Oral Health Wellness and Disease Prevention Program will be reviewed in this session. Beginning with oral health lesson plans developed for 4H Campers including hands on dentistry projects, oral health related experiments, lectures and viewing of media on oral health it eventually led to a historic partnership between University of Kentucky Colleges of Agriculture and Dentistry. The partnership seeks to better the health of all Kentuckians working through the Health Education through Extension Leadership Project. The targeted audiences were individuals interested in replicating the successful partnership.

Environmental Needs Assessment for Prevention of Obesity and Reduction of Breast Cancer Risk in a Rural Area: A Project Study to Build Capacity

Barbour S. Warren, Cornell University

This session described an environmentally based project to increase the capacity of rural communities to prevent obesity and reduce breast cancer. The basis of the approach and the results of the assessment phase will be presented. This program addressed rural communities and was conducted in a northeastern rural community where the level of overweight and obesity exceeds 60 percent. Health extension educators with an interest in cancer, obesity, and environmentally-based health interventions found this oral presentation helpful.